

## **ABSTRACT**

The invention, in part, provides an integrated digital television (DTV) diagnostic instrument comprising: at least one of a video display device (VDD) and an audio display device (AudDD); DTV circuitry (AV) to receive a DTV signal, to reconstruct at least one of a video stream and an audio stream from the DTV signal, and to display at least one of the video stream and the audio stream on the VDD or the AudDD, respectively; and at least one of monitoring circuitry (M), responsive to the DTV circuitry, to monitor digital properties of a live DTV signal and analysis circuitry (AN), responsive to the DTV circuitry, to analyze digital properties of a recorded DTV signal.